DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

| My residence | , post office addre | ss and citizenship a | re as stated below | next to my name. |
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| I believe I am the original, first names are listed below) of the s Modulus Stiffening of Har | subject matter which is claimed and f | is listed below) or an original, first all or which a patent is sought on the inv | nd joint inventor (if plural vention entitled |
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| the specification of which is | | as Application Serial No09/ (if applicable). | 481,432 |
| I hereby state that I have review amended by any amendment re | | ne above identified specification. inclu | iding the claims, as |
| I acknowledge the duty to discl Regulations, §1.56. | ose all information known to me to b | e material to patentability as defined | in Title 37, Code of Federal |
| I hereby claim foreign priority certificate listed below and hav before that of the application or | e also identified below any foreign ap | s Code. §119 of any foreign application polication for patent or inventor's cert | n(s) for patent or inventor's ificate having a filing date |
| Prior Foreign Application(s) | | - | Priority Claimed |
| (Number) | (Country) | (Day/Month/Year Filed) | Yes No |
| (Number) | (Country) | (Day/Month/Year Filed) | Yes No |
| the subject matter of each of the provided by the first paragraph me to be material to patentabili | e claims of this application is not disc of Title 35, United States Code, §113 | Janua | cation in the manner all information known to |
| (Appln. Serial No.) | (Filing Date) | | d, pending, abandoned) |
| I hereby appoint the following connected therewith: Julie W. Meder (Reg. No. 36 Klepac (Reg. No. 26474), Edward | attorneys to prosecute this application 216). Tracey D. Beiriger (Reg. No. 3 ard L. Levine (Reg. No. 28097), Davi | n and to transact all business in the Pa 7402). Charles Q. Buckwalter (Reg. 1 id W. Pearce-Smith (Reg. No. 31285) | No. 32969), Glenn E. |
| Gary P. Topolosky (Reg. No. 3 | 1888), Thomas R. Trempus (Reg. No | | |
| Address all telephone calls to | Charles Q Buckwalter, Esq. Alcoa Inc. | at telephone no(724)337-23 | 74 |
| | Alcoa Technical Center | | |
| | 100 Technical Drive | | |
| | Alcoa Center, PA 15069-0001 | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under \$1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Full name of sole or first inventor Vivek M. Sample | |
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| Inventor's signature Residence Murrysville, PA Post Office Address Alcoa Inc. Alcoa Technical Center 100 Technical Drive Alcoa Center, PA 15069-0001 | Date <u>G2/15</u> /00 Cituzenship <u>Indian.</u> |
| Fill name of second joint inventor, if any Neville C. Whittle Fiventor's signature Residence Pittsburgh, PA Fost Office Address Alcoa Inc. Alcoa Technical Center 100 Technical Drive Alcoa Center, PA 15069-0001 | Date 02/14/00 Citizenship United Kingdom |
| Alcoa Technical Center 100 Technical Drive Alcoa Center, PA 15069-0001 Elliname of third joint inventor, if any Richard C. Becker | |
| Inventor's signature Residence Livermore, CA | Date Citizenship USA |
| Full name of fourth joint inventor, if any Vincent A. Paola | |
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